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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/689,656	10/22/2003	Mikhail Kejzelman	003301-054	6495
21839	7590 11/30/2005		EXAMINER	
	N INGERSOLL PC	JENKINS, DANIEL J		
POST OFFIC	, ,	VECKER & MATHIS)	ART UNIT	PAPER NUMBER
ALEXANDR	ALEXANDRIA, VA 22313-1404		1742	

DATE MAILED: 11/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/689,656	KEJZELMAN ET AL.			
		Examiner	Art Unit			
		Daniel J. Jenkins	1742			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - External after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAY IN THE MAILING	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I.  lely filed  the mailing date of this communication.  D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on <u>06 Secondary</u>	eptember 2005.				
2a)⊠	This action is <b>FINAL</b> . 2b) This	action is non-final.				
3)□	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
4)⊠	4)⊠ Claim(s) <u>20-31,34-40 and 48-51</u> is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)[	5) Claim(s) is/are allowed.					
•	6) Claim(s) 20-31, 34-40 and 48-51 is/are rejected.					
· · · · · ·	7) Claim(s) is/are objected to.					
8)∐	Claim(s) are subject to restriction and/or	r election requirement.				
Applicati	on Papers					
9)[	The specification is objected to by the Examine	r.				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	ınder 35 U.S.C. § 119					
_	Acknowledgment is made of a claim for foreign  ☐ All b)☐ Some * c)☐ None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).			
,	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the prior	rity documents have been receive	d in this National Stage			
	application from the International Bureau	ı (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a list of the certified copies not received.						
Attachmen	t(s)					
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal Pa	ite atent Application (PTO-152)			
	r No(s)/Mail Date	6) Other:	The second of the second			

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1. The Examiner has carefully considered Applicant's Response of 9/6/05. The Examiner disagrees with Applicant's position that the cited art does not include the lubricant. In particular, at col. 14, lines 52-55, it appears clear that zince stearate is added. Applicant's argument is thus not found persuasive.

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 20-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ozaki et al.

Ozaki et al. discloses the invention substantially as claimed. Ozaki et al. discloses a method of forming a green compact comprising:

providing an iron-based powder;

compacting the iron-based powder to form a green compact.

Ozaki et al. discloses particle size distribution that overlaps that as claimed by Applicant, with the minimum pariicle size limitation less than that as claimed (col. 3, lines 46-53; see several examples of A1 to A17 with -150um amounts less than 5%. Ozaki et al. further discloses addition of alloying agents to the powder.

Ozaki et al. further discloses wherein the compacting takes place at high pressure, including examples of pressure at 1,177 MPa (col. 14, lines 43-45), including including a lubricant of zinc stearate (col. 14, lines 51-55). It is common knowledge that graphite

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and zinc stearate are equivalent lubricants in the same field of endearvor, the substitution thus being obvious.

Ozaki et al. diclosses a desirable maximum particle size of 1 mm, but states that the reason for the size restriction is to prevent particle size distribution (col. 3, lines 36-44), but one of ordinary skill would recognize that Ozaki et al. would allow for a miminum amount i.e. max partice size to greater than 1 mm if the amount of particles of this size would not disturb size distribution during die loading.

Although Ozaki et al. is silent as to the green compact being removed from the die in which it is compacted, such a removal would be inherent in the disclosed process to recover the formed product.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Jenkins whose telephone number is 571-272-1242. The examiner can normally be reached on M-TH6:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on 571-272-1242. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daniel J. Jenkins Primary Examiner Art Unit 1742

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